

METHOD AND APPARATUS FOR CONNECTING TEMPORALLY SEPARATED SINOGRAMS IN AN EBT SCANNER

Abstract of Disclosure

A method and apparatus are disclosed in an EBT scanner for generating an image from a data set collected from a subject beginning at an arbitrary time within a scanning time interval. A sequence of temporally separated, unfolded parallel view sinograms are generated corresponding to scans through the subject during the scanning time interval. Data from each of the sinograms are folded into each other such that loss of information and image artifacts, caused by temporal separation between temporally adjacent sinograms, are greatly reduced. An image is generated from a subset of data taken from the folded sinograms wherein the subset of data begins at an arbitrary time within the scanning time interval.

Figures